

WEATHER LOGS FOR TLCV - 1998

The following TLCV weather logs are for 1998. Each day is divided into 3 approximately equal intervals and given a simple description of sky conditions as viewed within the TLCV field of view. These descriptions are intended to be used as a search tool for selecting Time Lapse Cloud Video (TLCV) images and not to provide cloud classifications. For classifications, visit the SGP weather logs. These simple descriptions are the following:

Clear (Clr) – Essentially cloud free.

Mostly Clear (MClr) – A few clouds are evident, but generally cloud free.

Scattered Clouds (Scat) – Clouds are present, but generally not too persistent or dense.

Partly Cloudy (Pcldy) – Similar to Scattered Clouds but generally more dense or persistent.

Mostly Cloudy (Mcldy) – Heavier clouds throughout much of the interval.

Cloudy (Cldy) – Fairly dense cloud cover.

Explanation of notes:

Note #1 : The recording system began suffering tracking problems on occasion; this resulted in picture breakup that is apparent in the compressed video.

Note #2 : Condensation within the optical dome.

Note #3 : Early in the TLCV deployment the automatic white balance of the camera was defaulted to 'on' after power dropouts; this was corrected in Feb 1998, but before this sometimes resulted in excessively green or grey video.

Note #4 : Early in the TLCV deployment the z-axis stage positioner allowed the camera to slip down slightly within the TLCV enclosure due to wind buffeting. This caused the rim of the glass dome through which the camera views to come into the TLCV field of view near the edges of the image.

Note #5 : During the course of a year, the shadowband must be reset occasionally; this note indicates that the positioning is slightly incorrect.

Date (UT)	Morning	Midday	Afternoon	Caveats/Comments/Confessions
Jan 01, 1998	Clr	MClr	Scat	Note #3, Note #4
Jan 02, 1998	Pcldy	Pcldy	Scat	Note #3, Note #4
Jan 03, 1998	Pcldy	MClcy	Pcldy	Note #3, Note #4
Jan 04, 1998	Cldy	Cldy	Cldy	Note #3, Note #4, Ice
Jan 05, 1998	Cldy	Cldy	Cldy	Note #3, Note #4, Ice
Jan 06, 1998	Cldy	Cldy	Cldy	Note #3, Note #4, Ice
Jan 07, 1998	Cldy	Cldy	Cldy	Note #3, Note #4
Jan 08, 1998	Cldy	Cldy	MClcy	Note #3, Note #4
Jan 09, 1998	Cldy	Cldy	Cldy	Note #3, Note #4, Color fixed
Jan 10, 1998	Cldy	Cldy	Cldy	
Jan 11, 1998	Cldy	Cldy	Cldy	Ice
Jan 12, 1998	Cldy	Cldy	Cldy	
Jan 13, 1998	Cldy	MClcy	Cldy	
Jan 14, 1998	Cldy	Cldy	Cldy	Ice on Dome (early)
Jan 15, 1998	MClr	Pcldy	Scat	Ice on Dome (early)
Jan 16, 1998	Scat	MClcy	MClr	
Jan 17, 1998	MClr	Scat	Pcldy	Weak Halo
Jan 18, 1998	Scat	Cldy	Pcldy	

Jan 19, 1998	MClr	Scat	PCldy	Ice on Dome (early), Halo
Jan 20, 1998	PCldy	Scat	Scat	Halo, Zenith Arc
Jan 21, 1998	PCldy	Scat	PCldy	
Jan 22, 1998	PCldy	Scat	MClr	Weak Halo
Jan 23, 1998	MClDy	MClDy	Scat	
Jan 24, 1998	MClr	Scat	Scat	
Jan 25, 1998	MClDy	PCldy	MClDy	
Jan 26, 1998	Scat	MClr	Clr	
Jan 27, 1998	Scat	MClr	Clr	Ice on Dome (early)
Jan 28, 1998	MClr	Scat	Scat	Halo
Jan 29, 1998	Clr	MClr	Clr	Note #3
Jan 30, 1998	Clr	Clr	Clr	Note #3
Jan 31, 1998	Cldy	Cldy	Cldy	Note #4
Feb 01, 1998	PCldy	Scat	MClr	Note #4, Note #3, Early Dew
Feb 02, 1998	Cldy	Cldy	PCldy	Note #4, Note #3, Early Ice
Feb 03, 1998	Cldy	Cldy	Cldy	Note #4, Note #3
Feb 04, 1998	Cldy	Cldy	Cldy	Note #4, Note #3
Feb 05, 1998	MclDy	MclDy	PCldy	Note #4, Note #3
Feb 06, 1998	PCldy	MClr	MClr	Note #4, Note #3, Color fixed
Feb 07, 1998	Clr	Clr	Clr	
Feb 08, 1998	Cldy	MclDy	PCldy	
Feb 09, 1998	Cldy	MclDy	PCldy	
Feb 10, 1998	Cldy	Cldy	Cldy	
Feb 11, 1998	MclDy	Scat	MClr	
Feb 12, 1998	MClDy	PCldy	Scat	Quick Halo
Feb 13, 1998	Clr	Clr	Clr	
Feb 14, 1998	Cldy	Scat	Scat	Early Ice, Halo, Zenith Arc
Feb 15, 1998	Cldy	Cldy	Cldy	
Feb 16, 1998	Cldy	Cldy	Cldy	
Feb 17, 1998	MClDy	PCldy	PclDy	Halo
Feb 18, 1998	PCldy	Scat	Scat	Weak Halo
Feb 19, 1998	PCldy	MClDy	MClDy	
Feb 20, 1998	Clr	MClr	PCldy	Halo, Early Dew
Feb 21, 1998	Cldy	Cldy	Cldy	Weak Halo
Feb 22, 1998	Cldy	Cldy	MClDy	
Feb 23, 1998	PCldy	PCldy	Scat	
Feb 24, 1998	Scat	MClr	Scat	
Feb 25, 1998	Scat	Scat	PCldy	Good Halo
Feb 26, 1998	MClr	Clr	MClr	Smoke?
Feb 27, 1998	Scat	Clr	MClr	Zenith Arc
Feb 28, 1998	PCldy	Scat	Scat	
Mar 01, 1998	MClr	Scat	Scat	Halo
Mar 02, 1998	MClr	PCldy	MClDy	
Mar 03, 1998	Clr	Clr	Clr	
Mar 04, 1998	MClr	Cldy	Cldy	
Mar 05, 1998	Cldy	Cldy	Cldy	
Mar 06, 1998	Cldy	Cldy	Cldy	
Mar 07, 1998	Cldy	Cldy	Cldy	
Mar 08, 1998	Cldy	Cldy	MClDy	
Mar 09, 1998	Clr	MClr	MClr	Halo
Mar 10, 1998	Clr	Clr	Clr	
Mar 11, 1998	PCldy	Scat	MClr	
Mar 12, 1998	PCldy	PCldy	Clr	
Mar 13, 1998	Clr	Clr	Clr	

Mar 14, 1998	Cldy	Cldy	Cldy	
Mar 15, 1998	Cldy	Cldy	Cldy	
Mar 16, 1998	Cldy	Cldy	Cldy	Note #2
Mar 17, 1998	Cldy	Cldy	Cldy	Note #2
Mar 18, 1998	Cldy	MClDy	Cldy	Note #2
Mar 19, 1998	Cldy	Cldy	Cldy	Snow
Mar 20, 1998	MClr	Scat	Clr	Quick Halo
Mar 21, 1998	Clr	MClr	Clr	
Mar 22, 1998	MClr	Clr	MClr	Halo
Mar 23, 1998	Scat	Scat	Scat	Halo
Mar 24, 1998	Scat	Scat	MClr	
Mar 25, 1998	Scat	MClr	MClr	
Mar 26, 1998	MClDy	Cldy	MClDy	
Mar 27, 1998	Cldy	PCldy	PCldy	Halo
Mar 28, 1998	Clr	Clr	Clr	
Mar 29, 1998	MClDy	Scat	Scat	
Mar 30, 1998	Cldy	Cldy	Cldy	
Mar 31, 1998	PclDy	PclDy	Scat	
Apr 01, 1998	Clr	Clr	Clr	
Apr 02, 1998	Scat	Clr	Scat	
Apr 03, 1998	Cldy	Cldy	Cldy	
Apr 04, 1998	Cldy	Cldy	MclDy	
Apr 05, 1998	Clr	MClr	Clr	
Apr 06, 1998	Clr	MClr	MclDy	
Apr 07, 1998	PclDy	PclDy	PclDy	
Apr 08, 1998	MclDy	Cldy	MclDy	
Apr 09, 1998	MClr	Scat	Scat	
Apr 10, 1998	Clr	Clr	Scat	Morning dew
Apr 11, 1998	Clr	Clr	Clr	
Apr 12, 1998	MClr	MClr	Clr	
Apr 13, 1998	Clr	MClr	Clr	
Apr 14, 1998	Clr	Clr	Clr	
Apr 15, 1998	PclDy	Scat	MClr	
Apr 16, 1998	Scat	Scat	Scat	
Apr 17, 1998	MClr	Scat	MClr	Halo
Apr 18, 1998	Clr	MClr	Scat	Halo
Apr 19, 1998	PclDy	Scat	MClr	
Apr 20, 1998	Cldy	Cldy	PclDy	
Apr 21, 1998	Clr	Scat	Scat	
Apr 22, 1998	Clr	Scat	MClr	
Apr 23, 1998	Clr	Clr	MClr	
Apr 24, 1998	Scat	Scat	MClr	
Apr 25, 1998	Clr	Clr	Scat	
Apr 26, 1998	Cldy	Cldy	Cldy	
Apr 27, 1998	Cldy	Cldy	Cldy	Spider attack
Apr 28, 1998	Cldy	Cldy	Cldy	Note #2
Apr 29, 1998	Cldy	Cldy	Cldy	
Apr 30, 1998	PCldy	Scat	Scat	
May 01, 1998	PCldy	Clr	MClr	Note #1
May 02, 1998	Scat	Scat	Clr	
May 03, 1998	Scat	Clr	MClr	
May 04, 1998	PCldy	MClr	MClr	
May 05, 1998	Scat	Scat	Scat	
May 06, 1998	PCldy	PCldy	MclDy	Scarey Roll Cloud

May 07, 1998	Clr	Scat	MClr	Note #2
May 08, 1998	Scat	PCldy	Cldy	Halo
May 09, 1998	Cldy	Cldy	Pcldy	Note #2
May 10, 1998	MClr	Scat	MClr	Note #2
May 11, 1998	Clr	Clr	Clr	
May 12, 1998	Clr	Scat	Scat	
May 13, 1998	Clr	Clr	MClr	
May 14, 1998	Cldy	MClDy	Pcldy	
May 15, 1998	MClr	MClr	Clr	Note #1
May 16, 1998	Clr	Clr	Clr	Note #1
May 17, 1998	MClr	MClDy	PCldy	
May 18, 1998	Cldy	PCldy	MClr	Halo
May 19, 1998	MClr	Scat	Pcldy	Hazy, Halo
May 20, 1998	Scat	PCldy	Scat	
May 21, 1998	PCldy	PCldy	MclDy	Halo
May 22, 1998	Scat	MClDy	PCldy	
May 23, 1998	PCldy	PCldy	Scat	
May 24, 1998	Clr	MClr	Scat	
May 25, 1998	PCldy	Scat	Scat	Halo
May 26, 1998	Cldy	Scat	Scat	
May 27, 1998	PCldy	Scat	Scat	
May 28, 1998	Clr	Clr	Clr	
May 29, 1998	Pcldy	Scat	MClr	
May 30, 1998	Scat	Scat	Scat	
May 31, 1998	Scat	Scat	Scat	
Jun 01, 1998	Clr	Clr	MClr	
Jun 02, 1998	Clr	Clr	Clr	
Jun 03, 1998	Clr	MClr	Clr	
Jun 04, 1998	Cldy	Cldy	MclDy	
Jun 05, 1998	PCldy	PCldy	Scat	
Jun 06, 1998	Scat	Scat	MClr	
Jun 07, 1998	MClr	Scat	MclDy	Halo
Jun 08, 1998	Cldy	PCldy	PCldy	
Jun 09, 1998	MClDy	Scat	Scat	
Jun 10, 1998	PCldy	Scat	MClDy	
Jun 11, 1998	PCldy	MClr	Clr	
Jun 12, 1998	Clr	Clr	Clr	
Jun 13, 1998	Clr	Scat	Pcldy	Haze
Jun 14, 1998	Clr	MClr	Scat	
Jun 15, 1998	MClDy	Scat	Scat	
Jun 16, 1998	Scat	MClr	MClr	
Jun 17, 1998	Clr	Scat	MClDy	
Jun 18, 1998	Scat	MClr	Clr	Haze
Jun 19, 1998	MClr	Scat	MclDy	Great Sunset
Jun 20, 1998	Clr	Clr	Pcldy	
Jun 21, 1998	Scat	PCldy	Scat	
Jun 22, 1998	PCldy	PCldy	Scat	Roll Cloud
Jun 23, 1998	MClr	MClr	Clr	Smoke?
Jun 24, 1998	Clr	Clr	Clr	
Jun 25, 1998	PCldy	Clr	Clr	
Jun 26, 1998	Clr	MClr	Clr	
Jun 27, 1998	Clr	Clr	Clr	Haze or Smoke
Jun 28, 1998	Clr	Clr	Clr	Haze or Smoke
Jun 29, 1998	Clr	Clr	Clr	Haze or Smoke
Jun 30, 1998	PCldy	PCldy	MclDy	

Jul 01, 1998	Cldy	PCldy	MClr	
Jul 02, 1998	MClDy	Scat	MClr	
Jul 03, 1998	Clr	Clr	Clr	
Jul 04, 1998	Clr	Scat	Scat	
Jul 05, 1998	MClr	Scat	Scat	
Jul 06, 1998	Clr	MClr	MClr	
Jul 07, 1998	MClDy	PCldy	Scat	
Jul 08, 1998	PCldy	PCldy	Scat	Halo
Jul 09, 1998	PCldy	Clr	Clr	
Jul 10, 1998	Clr	MClr	Scat	
Jul 11, 1998	MclDy	PCldy	Scat	
Jul 12, 1998	Scat	Scat	Scat	Nice Sunset
Jul 13, 1998	Scat	Scat	MClr	
Jul 14, 1998	MClr	Scat	Clr	Haze
Jul 15, 1998	Clr	Scat	PCldy	Haze
Jul 16, 1998	MClr	Scat	MClr	
Jul 17, 1998	MClr	Scat	MClr	
Jul 18, 1998	Clr	Scat	MClr	Haze
Jul 19, 1998	Clr	MClr	Clr	
Jul 20, 1998	Clr	MClr	Clr	
Jul 21, 1998	Clr	Scat	MClr	
Jul 22, 1998	MClr	Scat	Scat	
Jul 23, 1998	PCldy	Scat	PclDy	Halo, Nice Sunset
Jul 24, 1998	Scat	Scat	MClr	
Jul 25, 1998	PCldy	Clr	Scat	
Jul 26, 1998	Scat	MClr	MClr	
Jul 27, 1998	PCldy	Scat	PCldy	
Jul 28, 1998	Cldy	PCldy	Scat	
Jul 29, 1998	MClDy	Scat	PCldy	
Jul 30, 1998	PCldy	Scat	MClr	
Jul 31, 1998	Cldy	PCldy	Scat	
Aug 01, 1998	MClr	MClr	MClr	Hazy
Aug 02, 1998	PclDy	PclDy	MclDy	Halo
Aug 03, 1998	MClDy	MClDy	Scat	IOP Begins
Aug 04, 1998	Scat	PCldy	PCldy	
Aug 05, 1998	Scat	MClDy	PCldy	
Aug 06, 1998	MClr	PCldy	MClr	Hazy
Aug 07, 1998	Clr	Scat	MClr	Note #1
Aug 08, 1998	Scat	Scat	MClr	
Aug 09, 1998	Scat	Scat	PCldy	
Aug 10, 1998	MClDy	MClDy	PCldy	Beautiful Sunrise
Aug 11, 1998	PCldy	PCldy	Cldy	
Aug 12, 1998	MClr	Scat	Cldy	
Aug 13, 1998	Scat	PCldy	Scat	
Aug 14, 1998	Clr	Scat	MClr	Hazy
Aug 15, 1998	Clr	Scat	Scat	
Aug 16, 1998	Clr	Scat	Scat	
Aug 17, 1998	Clr	Scat	MClr	
Aug 18, 1998	Clr	MClr	Scat	
Aug 19, 1998	Clr	Scat	Scat	
Aug 20, 1998	Clr	Scat	MClr	
Aug 21, 1998	Clr	Scat	MClr	Hazy
Aug 22, 1998	Clr	Scat	Scat	Hazy
Aug 23, 1998	MClr	Clr	Clr	

Aug 24, 1998	Clr	Scat	Scat	
Aug 25, 1998	MClr	PCldy	PCldy	
Aug 26, 1998	PCldy	PCldy	Scat	
Aug 27, 1998	Clr	Scat	PCldy	
Aug 28, 1998	Scat	MClr	MClr	Note #1
Aug 29, 1998	Clr	Clr	Clr	Note #1
Aug 30, 1998	Clr	Clr	Clr	
Aug 31, 1998	MClr	Scat	Scat	
Sep 01, 1998	MClr	Scat	Scat	
Sep 02, 1998	Scat	Clr	MClr	
Sep 03, 1998	MClr	MClr	Clr	
Sep 04, 1998	Clr	Clr	Clr	
Sep 05, 1998	Clr	Clr	Clr	
Sep 06, 1998	MClr	MClr	Clr	
Sep 07, 1998	Clr	MClr	Scat	
Sep 08, 1998	Clr	Clr	Clr	
Sep 09, 1998	MClr	Clr	Clr	
Sep 10, 1998	Clr	Clr	Clr	
Sep 11, 1998	MClr	Scat	Scat	Note #1
Sep 12, 1998	Clr	Scat	Scat	Note #1
Sep 13, 1998	Cldy	Cldy	PCldy	
Sep 14, 1998	Scat	Scat	Clr	
Sep 15, 1998	Scat	PCldy	MClDy	
Sep 16, 1998	PCldy	Scat	Scat	
Sep 17, 1998	MClDy	PCldy	Scat	
Sep 18, 1998	MClr	Scat	Scat	
Sep 19, 1998	Clr	Scat	Scat	
Sep 20, 1998	MClr	PCldy	Scat	
Sep 21, 1998	PCldy	PCldy	MclDy	Nice Sunrise, Roll Cloud
Sep 22, 1998	Cldy	Cldy	Cldy	
Sep 23, 1998	MClDy	PCldy	MClDy	
Sep 24, 1998	Scat	Scat	MClr	
Sep 25, 1998	Clr	MClr	Clr	Note #1
Sep 26, 1998	MClr	Scat	MClr	Note #1, Spider Attack
Sep 27, 1998	Clr	Scat	MClr	Note #1, Spider Webs
Sep 28, 1998	Clr	Scat	MClr	Note #1, Spider
Sep 29, 1998	Clr	MClr	Clr	Note #1, Spider
Sep 30, 1998	Scat	Scat	Scat	
Oct 01, 1998	Cldy	Cldy	Cldy	
Oct 02, 1998	MClDy	Cldy	MclDy	Note #2
Oct 03, 1998	Cldy	MClDy	Cldy	Note #2, Spider
Oct 04, 1998	Scat	PCldy	Cldy	Nice sunset
Oct 05, 1998	Cldy	MClDy	MClDy	
Oct 06, 1998	Scat	Scat	Clr	Halo
Oct 07, 1998	Clr	Clr	Clr	
Oct 08, 1998	Clr	Scat	MClr	Zenith arc
Oct 09, 1998	Scat	PCldy	Scat	Note #1, Halo
Oct 10, 1998	Clr	Clr	Clr	Note #1
Oct 11, 1998	Scat	MClr	Scat	Note #1
Oct 12, 1998	MClr	Scat	Scat	Note #1, Halo, Zenith arc
Oct 13, 1998	Scat	PCldy	MClr	Note #1
Oct 14, 1998	Clr	MClr	Clr	
Oct 15, 1998	Scat	Scat	Scat	Halo
Oct 16, 1998	PCldy	Cldy	Cldy	Note #1

Oct 17, 1998	PCldy	Cldy	Scat	
Oct 18, 1998	Clr	Clr	Clr	
Oct 19, 1998	MClr	Clr	Clr	
Oct 20, 1998	Cldy	Cldy	Cldy	
Oct 21, 1998	Scat	Scat	Scat	Halo
Oct 22, 1998	Clr	MClr	MClr	
Oct 23, 1998	MClr	Scat	MClr	
Oct 24, 1998	MClDy	MClDy	MclDy	Halo
Oct 25, 1998	MClr	Scat	Scat	Halo
Oct 26, 1998	MClr	Scat	Scat	
Oct 27, 1998	MClr	MClr	MClr	
Oct 28, 1998	MClDy	PCldy	MClr	
Oct 29, 1998	Clr	MClr	Clr	
Oct 30, 1998	PCldy	MClDy	Cldy	
Oct 31, 1998	Cldy	Cldy	Cldy	Note #2
Nov 01, 1998	Cldy	Cldy	Cldy	Note #2
Nov 02, 1998	Cldy	Cldy	Cldy	Note #2
Nov 03, 1998	Cldy	Cldy	Cldy	Note #2
Nov 04, 1998	Cldy	Cldy	Cldy	
Nov 05, 1998	Cldy	Cldy	MClDy	
Nov 06, 1998	MClDy	Cldy	Cldy	
Nov 07, 1998	Cldy	Cldy	Cldy	
Nov 08, 1998	MClDy	Cldy	Cldy	
Nov 09, 1998	Cldy	Cldy	MclDy	
Nov 10, 1998	Clr	Clr	MClr	
Nov 11, 1998	MClr	Clr	Clr	
Nov 12, 1998	PclDy	Scat	Scat	Double Halo
Nov 13, 1998	PclDy	PclDy	Scat	Morning video missing
Nov 14, 1998	Cldy	MclDy	Clr	
Nov 15, 1998	Clr	Clr	Clr	
Nov 16, 1998	Scat	MClr	Clr	Morning Dew
Nov 17, 1998	MClr	MClr	MClr	Morning Dew
Nov 18, 1998	Scat	MClr	Scat	
Nov 19, 1998	Cldy	Cldy	Cldy	
Nov 20, 1998	MClr	Scat	Scat	Halo, Zenith Arc, Note #1
Nov 21, 1998	Clr	MClr	Scat	Note #1
Nov 22, 1998	Clr	Clr	Clr	Note #1
Nov 23, 1998	Clr	MClr	MClr	Note #1, Morning Dew
Nov 24, 1998	Scat	Scat	Scat	Note #1
Nov 25, 1998	Clr	Clr	MClr	
Nov 26, 1998	Clr	Clr	MClr	Bird
Nov 27, 1998	Scat	Scat	Scat	
Nov 28, 1998	Scat	MClDy	PclDy	
Nov 29, 1998	MClDy	PCldy	MClDy	Halo
Nov 30, 1998	Clr	Clr	Clr	
Dec 01, 1998	MClr	Scat	MClr	Morning Dew
Dec 02, 1998	Scat	PclDy	PclDy	
Dec 03, 1998	Scat	Scat	Scat	
Dec 04, 1998	MClr	Scat	MClr	Note #2
Dec 05, 1998	MClr	Clr	MClr	
Dec 06, 1998	Cldy	Cldy	Cldy	Note #2
Dec 07, 1998	MclDy	MclDy	PclDy	Note #2
Dec 08, 1998	Clr	Clr	Clr	Note #2
Dec 09, 1998	Clr	Clr	Clr	

Dec 10, 1998	Mcldy	Scat	Scat	
Dec 11, 1998	Pcldy	Scat	Scat	Halo
Dec 12, 1998	MClr	Clr	Clr	
Dec 13, 1998	MClr	Clr	Clr	
Dec 14, 1998	Clr	Clr	Clr	
Dec 15, 1998	MClr	Scat	Scat	
Dec 16, 1998	Scat	Scat	PCldy	Halo
Dec 17, 1998	Clr	Clr	Clr	
Dec 18, 1998	Scat	Cldy	Cldy	
Dec 19, 1998	Cldy	Cldy	Cldy	
Dec 20, 1998	Cldy	Cldy	Cldy	
Dec 21, 1998	Cldy	Cldy	Cldy	Ice
Dec 22, 1998	Scat	Scat	Scat	Ice, Weak Halo
Dec 23, 1998	Cldy	Cldy	Cldy	Ice
Dec 24, 1998	PCldy	MClr	Clr	Quick Zenith Arc, Halo
Dec 25, 1998	Scat	MClr	MClr	Halo, Brief Tape Problem
Dec 26, 1998	Scat	Scat	Scat	
Dec 27, 1998	Scat	Scat	PCldy	Halo
Dec 28, 1998	PCldy	PCldy	Scat	Zenith Arc
Dec 29, 1998	Scat	MClr	Scat	
Dec 30, 1998	Scat	Scat	Scat	Halo
Dec 31, 1998	MClr	MClr	Scat	